

1. Squares and square roots

1. Evaluate without using tables or calculators

$$\sqrt[3]{\frac{0.125 \times \sqrt{64}}{0.064 \times \sqrt{629}}} \quad (4\text{mks})$$

2. Evaluate using reciprocals, square and square root tables only.

$$\sqrt{\frac{(445.1 \times 10^{-1})^2 + 1}{0.07245}} \quad (3\text{mks})$$

3. Using a calculator, evaluate $\frac{\sqrt{(4.652 \times 0.387)^2}}{0.8462}$ (3mks)

(Show your working at each stage)

4. Use tables of reciprocals and square roots to evaluate

$$\sqrt{\frac{2}{0.5893} - \frac{1.06}{846.3}} \quad (3\text{marks})$$

5. Use tables to find;

a) i) 4.978^2

ii) The reciprocal of 31.65

- b) Hence evaluate to 4.S.F the value of

$$4.978^2 - \frac{1}{31.65}$$

6. Use tables of squares, square roots and reciprocals to evaluate correct to 4 s.f

$$\sqrt{\frac{3}{0.0136}} - \frac{2}{(3.72)^2}$$

7. Without using mathematical tables or calculator, evaluate: $\frac{\sqrt{153 \times 1.8}}{0.68 \times 0.32}$ giving your answer in standard form